

A1
control

coating said surface of said stamp with an organic molecular species to produce a coated surface, said organic molecular species having a head functional group capable of interacting with said surface of said substrate, and a tail group for chemical differentiation of said patterned and unpatterned regions of said coated surface;

placing said coated surface in contact with said substrate for a length of time sufficient to transfer said self-assembled monolayer of said organic molecular species from said stamp to said substrate; and

removing said stamp.

Please add the following new claim:

30. A method of forming a patterned thin film comprising:

depositing a thin film material on a surface of a substrate having thereon a patterned underlayer of a self-assembled monolayer;

wherein said self-assembled monolayer is prepared by a process comprising the steps of: providing a stamp having a surface; coating said surface of said stamp with an organic molecular species to produce a coated surface, said organic molecular species having a head functional group capable of interacting with said surface of said substrate, and a tail group for chemical differentiation of said patterned and unpatterned regions of said coated surface; placing said coated surface in contact with said substrate for a length of time sufficient to transfer said self-assembled monolayer of said organic molecular species from said stamp to said substrate; and removing said stamp; and

wherein said organic molecular species comprises (tridecafluoro-1,1,2,2-tetrahydrooctyl)trichlorosilane. --

sub C1
A2

REMARKS

Attached hereto is a marked-up version of the changes made to the claims by the current amendments. The attached pages are captioned "Version with Markings to Show Changes Made."